Honeywell

Enterprise NVR System

alpha Technology®

Viewing Workstation Kit
Quick Start Guide

Version 5.85

Honeywell

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alpha technology® Kit

Viewer-Pro-Kit

Quick Start Guide

for version 5.85

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1 Introduction

Dear user,

We are pleased to present you our alpha system. This documentation includes the **basic** information required for the setup and operation of:

- Viewer-Pro-Kit

All specifications and information in this manual were checked using the alpha software. Errors cannot be ruled out, however. Neither the distributor nor the author can accept legal responsibility or liability for incorrect specifications or their consequences. Suggestions for improvement and information regarding errors are welcome.

The authors

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2 General information

The hardware and software of the alpha system may only be used in accordance with the stipulations of the license agreement. Any other use is prohibited. Copying the software, in particular, regardless of the reason, is against the law, and prosecution will result.

For every system comprehensive documentation is created and delivered with the alpha system to the owner, as stipulated in the contract.

The documentation corresponds to the relevant standards and regulations and the European product liability law.

The owner is responsible for ensuring that at least one copy of the documentation is kept in the immediate vicinity of the system and is accessible to each user.

Each person given the responsibility of performing activities with the system must have read the corresponding chapter of the documentation and familiarized himself/herself with the “General safety precautions” chapter before starting work.

The **complete documentation** of the alpha system and the accessories is available on every alpha system as alpha Help and on the installation DVD.

3 Intended use

- The alpha system is intended solely for the recording of video signals (incl. audio signal) and their playback and transmission. The Viewer-Pro-Kit as part of an alpha system is intended for playback and evaluation of video signals (incl. audio signal) without recording. Any other use or additional use, e.g. for the control and monitoring of systems or machines is considered unintended use. The manufacturer/supplier is not liable for damage resulting from such use. The user is solely responsible for any such risks.
- Intended use also includes the observation of the operating instructions and compliance with the inspection and maintenance regulations.

4 Safety precautions

- The system complies with the specific safety regulations applicable at the time of delivery and commissioning.
- The state-of-the-art system complies with the recognized safety-related rules. All customer regulations have been observed as long as they did not violate the existing safety regulations.
- Allow only personnel considered to be **professionals** according to the safety regulations to perform installation, maintenance and repair work on the system.

5 Installing the equipment

Scope of delivery

The Viewer-Pro-Kit contains:

- DVD with alpha software
- alpha USB-crypto key with licenses

Installation of hardware

- Connect the alpha USB-crypto key to a free USB port.
- Connect the computer to a network with alpha devices.

Installation of software

Place the DVD into the CD-ROM (DVD) drive.

If the alpha setup does not start automatically select **Run** in the Windows Start menu, enter [drive letter]:\aSetup.exe and confirm with **Enter**.

The setup program is executed. Please follow the instructions.

During the installation the system checks, whether the use of this software version is allowed by your license (**Upgrade date**) or not.

You can choose whether you want to use the Launcher as shell for your Viewer-Pro-Kit (recommended) or the Windows menu.

Network settings

The TCP/IP settings can be configured in the usual manner in Windows (please refer to the User Manual or the Windows Manual).

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Setup of Viewer-Pro-Kit

Operating of a Viewer-Pro-Kit

The installation and operating of a Viewer-Pro-Kit is nearly the same as installation and operating of alpha DVS.

Applications	VPK
Device Manager	No device of the local station for ringbuffer, event drive and non-multicast video sources.
License Manager	No licenses of the local station for non-multicast video sources.

Important

This Quick Start Guide only provides an overview of the purpose of a program and the most important controls if necessary.

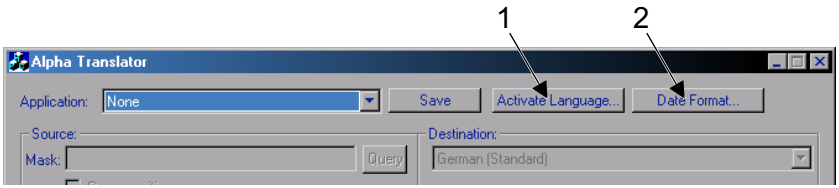
A user by the name of **"AlphaAdmin"**, with no password, is set up on the alpha system by default. Assign this user the same password used at the other stations of the site with the **Site Manager**.

How to change the language

All alpha systems and all supplemental programs for alpha technology® use an English user interface (American English). All programs for the end user and some for the alpha Installer can also be used in other languages. Some text files required for this are available on the alpha system. For additional languages, please contact your supplier.

To use the alpha Translator, you require access authorization on the Windows level. Start the alpha Translator by opening the Dvms\aTrans.exe file.

Modified settings do not become active until the respective application is restarted.



1: Language and date format

ID	Description
1	Select the language for the program interfaces.
2	Select the format for the date/time display.

How to add licenses

You can purchase additional licenses from your supplier, which make the alpha system more powerful. Therefore it is necessary that you specify the hardware ID of your system in the **License Manager.**

Use the **Web License Management System** (alpha@LMS, http://alphalms.alpha-technology.info) to download a purchased license as a license string. Please refer to the separate manual of the Web License Management System.

The **License Manager** is used to administer licenses of an alpha station. Upgrade licenses of ENC 8M2 and EDC 1M2/4 are transferred by **VX Manager**.

How to connect to other alpha systems

Using the **Site Manager** you define the connection to alpha stations and you group stations into sites.

User rights

With the alpha system, each user of the station is assigned specific rights. In order to access other stations and their data with the Viewer-Pro-Kit, you must create your personal user on each station with the **Site Manager** or use the default user “AlphaAdmin” for all users on all stations.

How to configure the Viewer

You configure the Viewer in the **Viewer Manager**. You can define, for example, which alarms are displayed and which screen layouts are available.

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Day-to-day operation

Important

This Quick Start Guide only provides an overview of the purpose of a program and the most important controls if necessary.

How to run an application

The **Launcher** is the interface of the alpha system. It is called up automatically when the system is started. The alpha logo is displayed during loading. The hidden **Taskbar** appears when you move the mouse to the lower edge of the screen.

You call up the available applications via the **Start** button.

The Viewer-Pro Kit can also be installed **without** the **Launcher**. The programs are then started in the usual manner in Windows. The Engine must first be started before programs can be used in alpha User mode.

Tip

The Engine can be started automatically when a VPK is started. For this purpose, right-click the alpha logo to the right in the taskbar and select **Autostart Engine**. You can also start and stop the Engine manually.

How to change the password

If you log onto the system as the standard user “AlphaAdmin” then you should not change your password. To access the other stations on the site, you must also change the passwords for the user “AlphaAdmin” at these stations. However, this would then mean that other persons that are also working at these locations as “AlphaAdmin” no longer have access.

If the installer has created a personal user name and password for you, change the provided password on all stations to your personal password using the **Site Manager**. Change your password regularly, thereby hindering unauthorized access.

Viewer

The Viewer is used for evaluation of the images and data.

The Viewer shows

- live images
- saved images
- SDCs
- events (alarms)

The appearance and available functions depend on the settings in the configuration programs, e.g. Device Manager and Viewer Manager. For this reason, deviations between your Viewer-Pro-Kit and this document may occur.

2: Overview Viewer

ID	Name	Description
1	Salvos	Allows you to view one or more cameras at a time.
2	Cameras	Allows you to select camera or a group of cameras (tour).
3	Files	Allows you to select an SDC.
4	Camera Displays	Images are displayed.

ID	Name	Description
5	Video outputs	Allows you to select a monitor
6	Camera field	Images of a camera or a group of cameras (tour) are displayed.
7	Group	Camera images of multiple camera Salvos are synchronized.
8	Playback control	Control for displaying recorded images.
9	Source	Allows you to select the source (ringbuffer) of the images
10	Date/ Time	Allows you to select an exact time for the images.
11	Tour controls	Several cameras are displayed in succession.
12	Slider	Allows you to select a relative time for the images.
13	PTZ Control	Control for PTZ cameras and digital PTZ.

Show live images

- Select a Salvo on the **Salvos** tab (1) by double-clicking it. The live images of one or more cameras are then displayed in the camera fields.

Camera selection

- Select a camera field (blue border) on the **Camera displays** tab (4).
- You assign a camera to the active camera field by double-clicking it on the **Cameras** (2) tab.

or:

- Drag a camera from the **Cameras** tab (2) with the mouse button pressed and drop it on a camera field in the **Camera displays** tab (4).

Salvo/1 split view

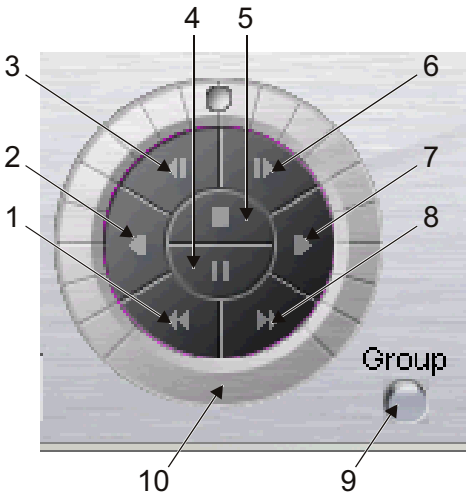
- By double-clicking a camera field, you switch back and forth between the 1 split view and the Salvo. If several cameras are displayed in succession in a camera field (tour), this setting is also retained in 1 split mode. During presentation in the 1 split window, decoding continues for other cameras and requires system capacity.

Playback

- Select a camera field (blue border) on the **Camera displays** tab (4).
- You can switch from live images to the recording by clicking the playback control (see fig. 3).

Images from the default ringbuffer are displayed. If there are no recordings available for this camera, live images are displayed and the playback control is disabled.

For playback of a recorded camera (ringbuffer or SDC) the playback control is used. It affects the selected camera field (with blue border) or a camera group (page 29).



3: Playback control

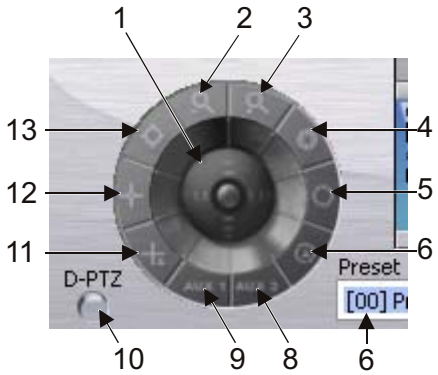
ID	Key	Description
1	NumLock 1	Rapid backward playback (1x, 2x, 4x, 8x, 16x) 1st click = 1x; 5th click = 16x
2	NumLock 4	Play backward (1x, 2x, 4x, 8x, 16x) 1st click = 1x; 5th click = 16x
3	NumLock 7	Display previous image
4	NumLock 5	Pause
5	NumLock 2	Switch to live image
6	NumLock 9	Display next image
7	NumLock 6	Play forward (1x, 2x, 4x, 8x, 16x) 1st click = 1x; 5th click = 16x
8	NumLock 3	Rapid forward playback (1x, 2x, 4x, 8x, 16x) 1st click = 1x; 5th click = 16x
9	Ctrl G	Group (synchronize) camera fields (page 29)
10		Shuttle Ring for fast-forward and rewind

PTZ and D-PTZ

For each type of camera (PTZ and non-PTZ) the digital PTZ control is available (**D-PTZ** illuminates blue).

If this PTZ camera is already being controlled by another user with the same or higher priority, the PTZ control is temporarily blocked (**D-PTZ** illuminates red).

The following control functions are available with the digital PTZ control switched off (**D-PTZ** gray), depending on the camera type.



4: PTZ Control

ID	Description	D-PTZ
1	Joystick for panning and tilting	+
2	Zoom out	+
3	Zoom in	+
4	Close iris	–
5	Open iris	–
6	Automatic iris	–
7	Clicking a **Preset** calls up a predefined setting. Right-clicking a **Preset** saves the current setting.	–
8	Aux 1	–
9	Aux 2	–
10	Switch to digital PTZ	Switch to PTZ
11	Autofocus	–
12	Focus on close objects	–
13	Focus on distant objects	–

Full screen mode

You call up full screen mode with **Tools→Full screen mode** or Alt Enter. You switch back to the normal view with Alt Enter or Esc. The view of the **Camera displays** is displayed to fill the entire screen in full screen mode.

5: Navigation

For PTZ Controls please refer to previous table (see fig. 4).

ID	Key	Description
1		Show/hide PTZ Controls
2		Minimize/restore control panel
3	NumLock 1	Rapid backward playback (1x, 2x, 4x, 8x, 16x) 1st click = 1x; 5th click = 16x
4	NumLock 4	Play backward (1x, 2x, 4x, 8x, 16x) 1st click = 1x; 5th click = 16x
5	NumLock 7	Display previous image
6	NumLock 5	Pause

ID	Key	Description
7	NumLock 2	Switch to live image
8	NumLock 9	Display next image
9	NumLock 6	Play forward (1x, 2x, 4x, 8x, 16x) 1st click = 1x; 5th click = 16x
10	NumLock 3	Rapid forward playback (1x, 2x, 4x, 8x, 16x) 1st click = 1x; 5th click = 16x
11	Ctrl G	Group (synchronize) camera fields (page 29)
12	Esc	Switch to default view

Ringbuffer selection

- Select a ringbuffer in the **Source** (see fig. 2, no. 9) combo box.

Only the ringbuffers to which images were recorded are displayed in the **Source** field for a camera.

Time selection

- Use + and – to change the time of a playback image (see fig. 2, no. 10).

or:

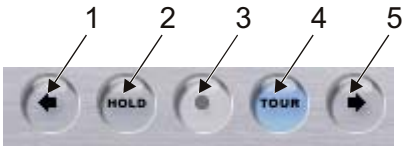
- Move the position indicator of the slider (see fig. 2, no. 12) to the position of the wanted image on the time axis of the ringbuffer (first to last image).

or:

- Right-click the slider to call up **Set date/time**.

Tour

In Viewer Manager several cameras can be grouped into a tour. All cameras of a tour are displayed in succession.



6: Tour controls

ID	Description
1	Switch to the previous camera.
2	Pause the tour.
3	Not in use by default configuration (can be configured in Viewer Manager).
4	Continue the tour.
5	Switch to the next camera.

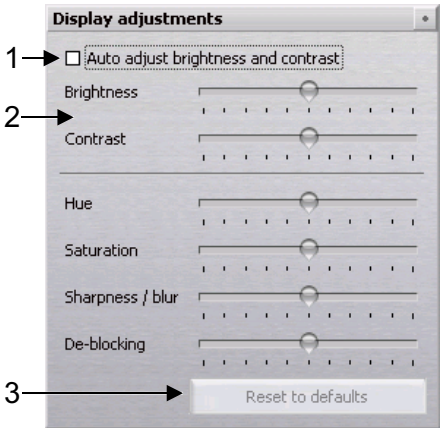
Camera synchronization

Using the **Group** button, you can combine all playback windows into a group, regardless of the data source. All camera fields of the group show synchronized images and respond to playback commands simultaneously. The selected camera field (blue border) is always the time master.

Display adjustments

You can change the settings for the display of live images and recorded images in each camera field of a Salvo independently of one another. When switching to another Salvo, the default values are used again.

By right-clicking a camera field and **Display adjustments**, you call up the setting dialog box, which you can position anywhere you like.



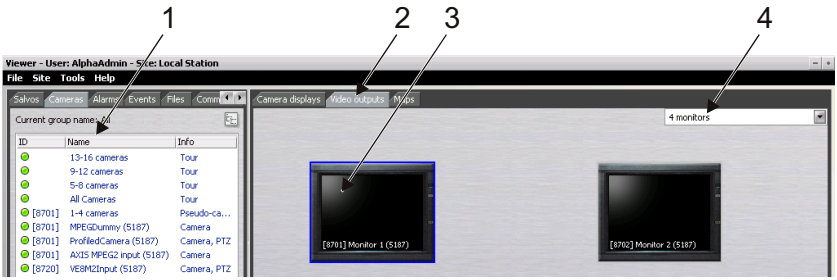
7: Display adjustments

ID	Description
1	Brightness and contrast are optimized automatically.
2	Sliders to change the image settings.
3	Causes the default settings to be used.

Right-clicking a camera field with modified settings and **Reset display adjustments** allows you to restore the default settings, even without the setting dialog box.

Video outputs

At the Viewer-Pro-Kit and at alpha silver systems (DVS) with additional VO1 cards you can display cameras on analog monitors.



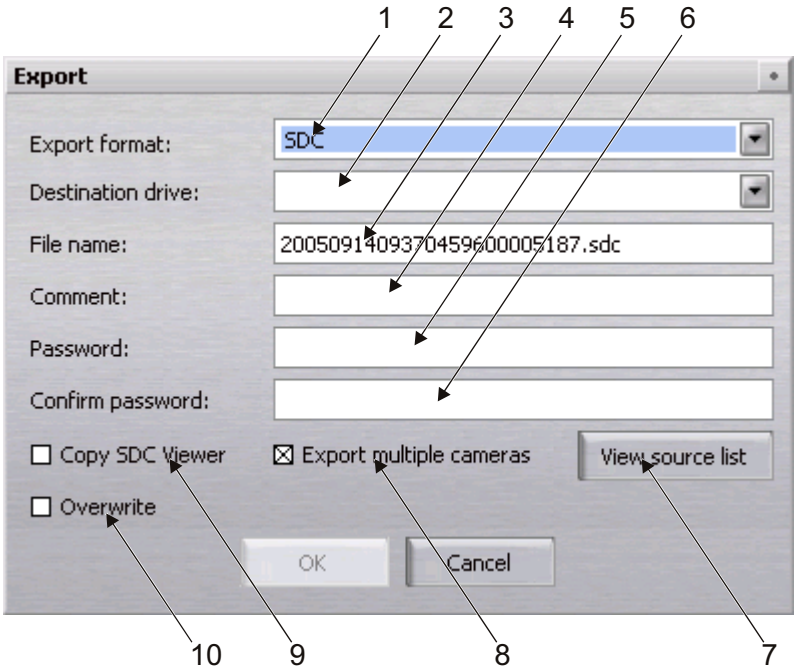
8: Video outputs

ID	Description
1	You can assign a camera or a specific camera from the SDC to a monitor by double-clicking or dragging and dropping it.
2	Tab **Video outputs**.
3	Monitor symbol.
4	Select a monitor group from the combo box.

Create SDC

You can export a selected image sequence as an SDC in the Viewer. Both ring-buffers and SDCs can serve as the data source.

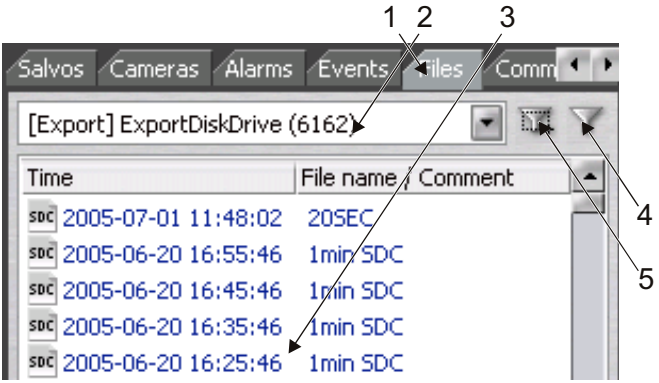
- Display the desired camera (or the desired cameras in **Group** mode). Mark the selection area containing the image sequence with the and buttons in the display.
- Open the **Export** window with **File**→**Export**→**Cameras**:



9: Export SDC

ID	Description
1	**Export format**: **SDC (other formats: MPEG, JPG** und **BMP**)
2	**Destination drive**: Local drives, network drives and export drives
3	Default **Filename**: Date time station ID
4	You can enter a description of the SDC in the **Name** field.
5, 6	The SDC can be protected via a password. To do so, enter it in the **Password** and **Confirm password** fields.
7	Open the **Export source list** window with **View source list** and select the cameras for export (**Export multiple cameras** (8) must be selected).
8	To export several cameras to a common SDC, activate **Export multiple cameras**.
9	If you would like to display the SDC on a Windows-based computer without an alpha system, you will require the SDC Viewer application. If you activate the **Copy SDC Viewer** checkbox, it is saved to the destination drive together with the SDC.
10	An existing SDC with the same name is **overwritten**.

Show SDC



10: Tab: Files

ID	Description
1	Select the tab **Files**.
2	Select the corresponding drive from the combo box for this purpose. Only the SDCs in [drive]:\SDC and the images in [drive]:\IMG are displayed.
3	You can open a file by double-clicking it in the active camera field, or you can drag it to a camera field in the current Salvo and drop it there.
4	Opens the filter dialog.
5	You activate (blue) or deactivate the last filter function.

Shut down

You can switch off or restart the alpha system, log on with another user name and different rights or log on at another user level with the **Shut down** function.

8 Technical data

Viewer-Pro-Kit

Model	Viewer-Pro-Kit
Video standard	PAL/NTSC
Compression	M-JPEG, MPEG-1, MPEG-2, MPEG-4, H264, H263+
Max. resolution for encoders	4 CIF
Max. resolution for IP cameras	2560x1920
Video inputs per IP	0 (3000)*
Video outputs per IP	0 (32)
Video output cards (option)	–
Audio standard	MPEG-1, G.711
Audio inputs via IP	0 (3000)*
Audio outputs per IP	0 (32)
Audio inputs	0 (1)
Audio outputs	0 (1)

Model	Viewer-Pro-Kit
Alarm inputs via IP	0 (3000)
Alarm inputs over data acquisition modules	0 (1792)
Digital outputs via IP	0 (3000)
Digital outputs over data acquisition modules	0 (896)
Export Drives	0–20
Max. size of an Export Drive	100 Gbyte

*. No recording

( ) max value is achieved by the application by licenses.

System requirements

Processor:	Intel compatible processor supporting MMX recommendation: Core 2 Duo
CPU frequency:	3.06 GHz or higher
Chip set:	Motherboard chip set from Intel
RAM:	1 Gbyte or higher
Operating system:	Windows 2003 Server, SP 1 or higher Windows XP, SP 2 or higher Windows Vista Business (32 bit), SP 1 or higher Windows 7 Windows Server 2008 SP2
Graphics card:	AGP display adapter with 128 Mbyte RAM for 1 monitor AGP display adapter with 256 Mbyte RAM for 2 monitors
Protocol:	TCP/IP Protocol
Ports:	2 free USB ports

	recommendation: free serial ports for options free SCSI ports for options audio input, audio output
Hard disk drive:	SCSI or IDE with UDMA support
CD ROM drive	
Network card:	1 Gbit LAN (recommendation: Intel Pro 1000 MT)

Compatibility

All alpha systems must have the same major version in order to operate together. The major version is indicated by the first number of the version number. If different minor and release versions are used (second and third numbers), some functions may not be supported.

9 Maintenance

Maintenance may only be performed by qualified service personnel. Please contact your supplier with matters regarding maintenance contracts and routine maintenance work.

To keep the system working properly for a long time, the following maintenance and inspection work should be performed at regular intervals. The interval between maintenance sessions is based on the surrounding conditions and the urgency of system availability.

Maintenance and inspection work:

- Check the system date/time.
- Check operation of the removable media drives.
- Check the dust filter and replace if necessary (at least exchange after 6 months).
- Clean the mouse.
- Clean the keyboard.
- Check the cables and plugs.